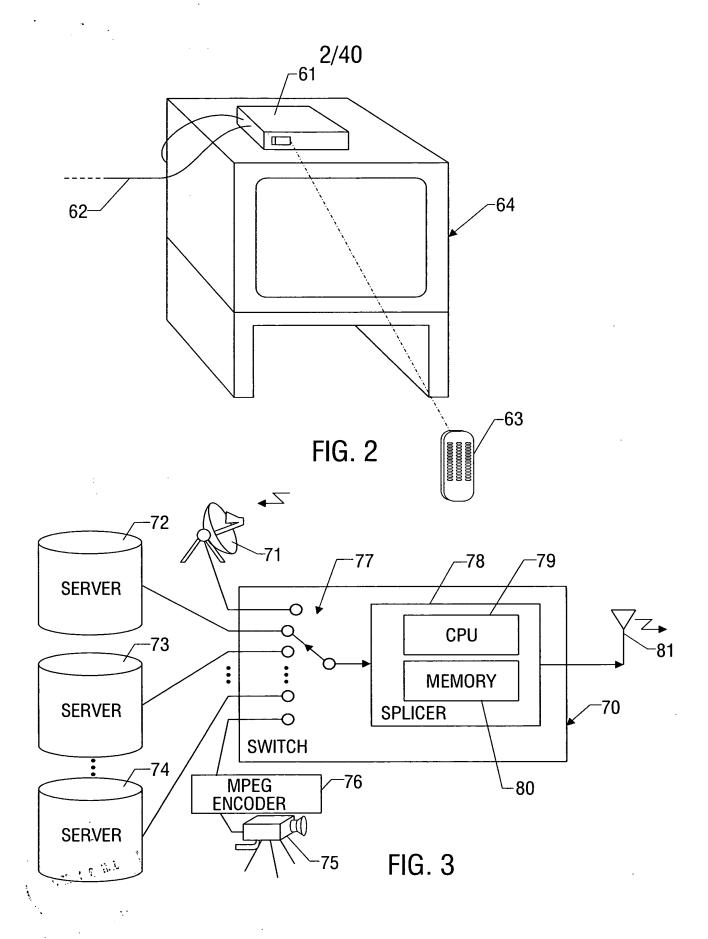
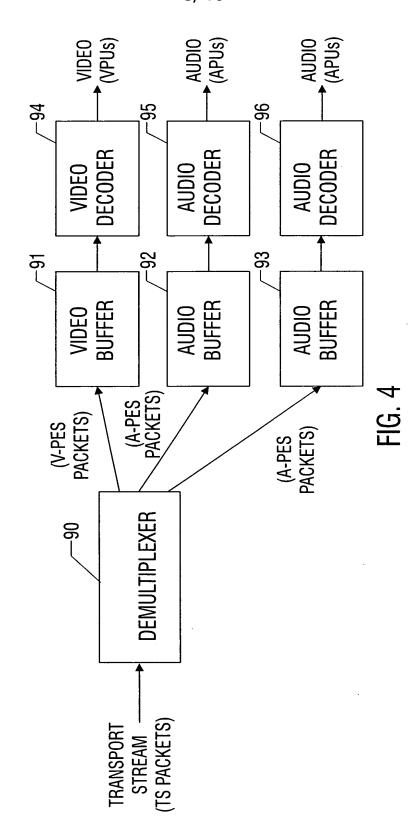
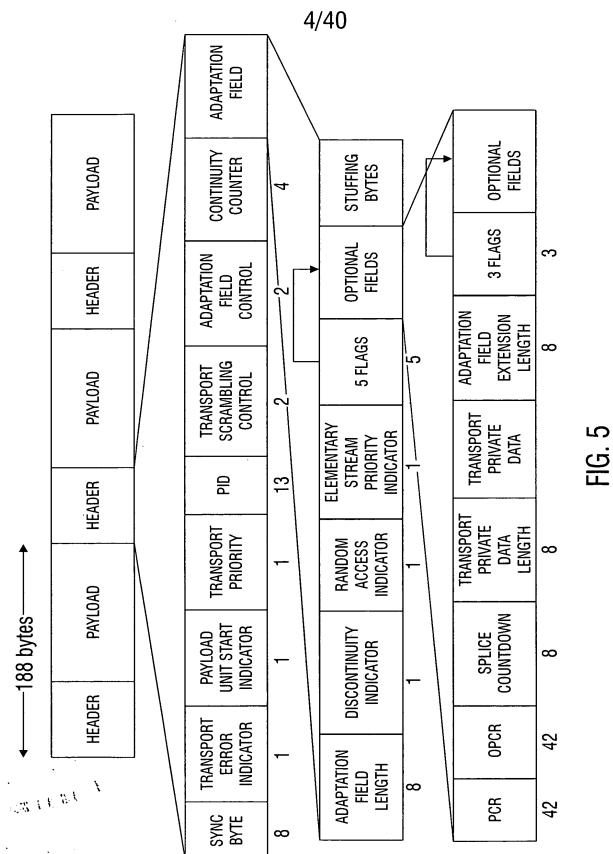


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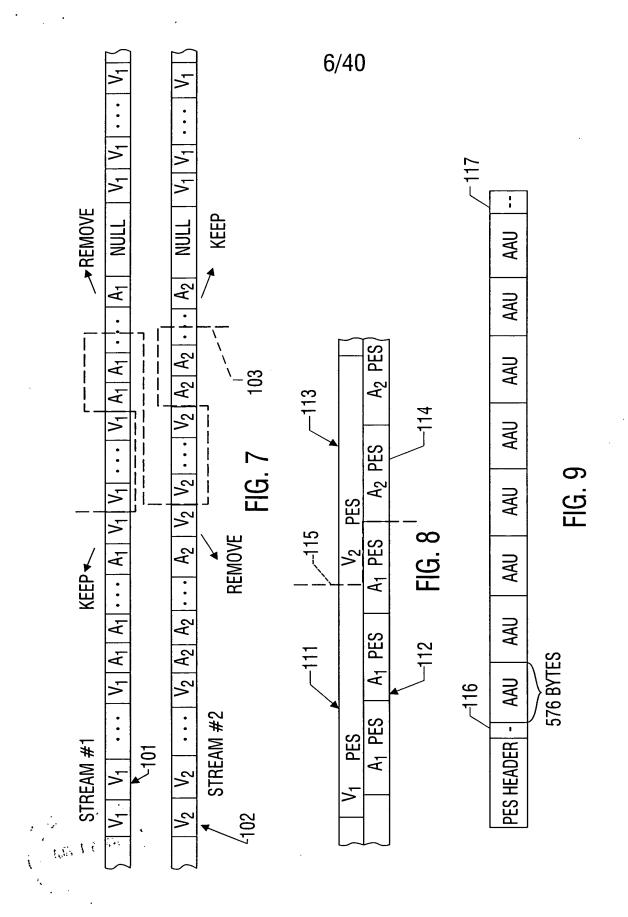




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5/40

FIG. 6



FIGS. 11A, 11B, 11C	FIGS. 12A, 12B	FIGS. 13A, 13B	FIGS. 14A, 14B	FIGS. 15A, 15B	FIGS. 16A, 16B	FIGS. 17A, 17B, 17C	FIGS. 18A, 18B
12 MSEC. $<$ AUDIO GAP $<$ 24 MSEC. $(\Delta_1 - \Delta_2)$	0 MSEC. $<$ AUDIO GAP $<$ 12 MSEC. $(\Delta_1 - \Delta_2)$	0 MSEC. < AUDIO GAP < 12 MSEC. $(\Delta_1 - \Delta_2)$	0 MSEC. < AUDIO OVERLAP < 12 MSEC. $(\Delta_2 - \Delta_1)$	0 MSEC. < AUDIO GAP < 12 MSEC. $(\Delta_1 - \Delta_2)$	0 MSEC. $<$ AUDIO OVERLAP $<$ 12 MSEC. $(\Delta_2 - \Delta_1)$	12 MSEC. $<$ AUDIO OVERLAP $<$ 24 MSEC. $(\Delta_2 - \Delta_1)$	0 MSEC. $<$ AUDIO OVERLAP $<$ 12 MSEC. $(\Delta_2 - \Delta_1)$
STREAM #2 BEST ALIGNED APU SHORT	INTO THE CUT $(\Delta_2 < 0)$	STREAM #2 BEST ALIGNED APU LONG	STREAM #2  BEST ALIGNED		INTO THE CUT $(\Delta_2 < 0)$	STREAM #2 BEST ALIGNED APU LONG INTO THE CUT (\Delta 2 > 0)	
STREAM #1  BEST, ALIGNED  APU SHORT  INTO THE CUT  ( $\Delta_1 > 0$ )			STREAM #1 BEST ALIGNED APU LONG INTO THE CUT (\text{\alpha}_1 < 0)				

HG. 10

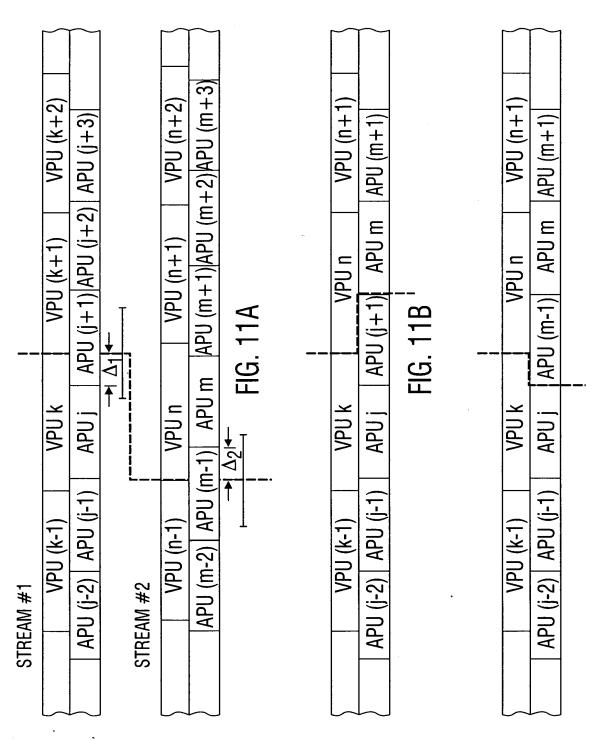


FIG. 11C

that to the

FIG. 12B

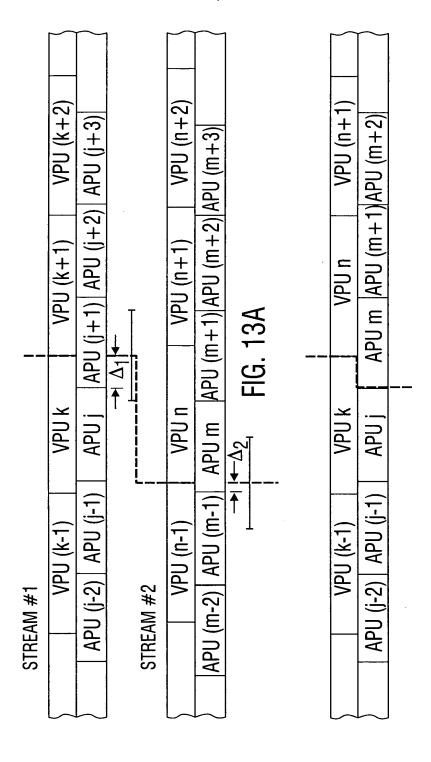
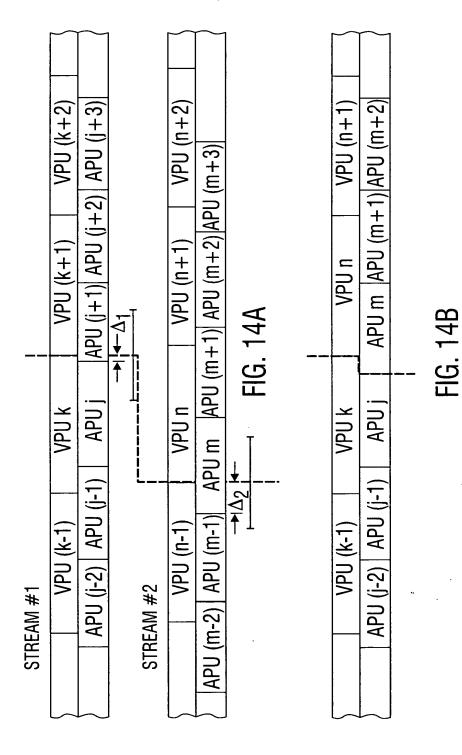
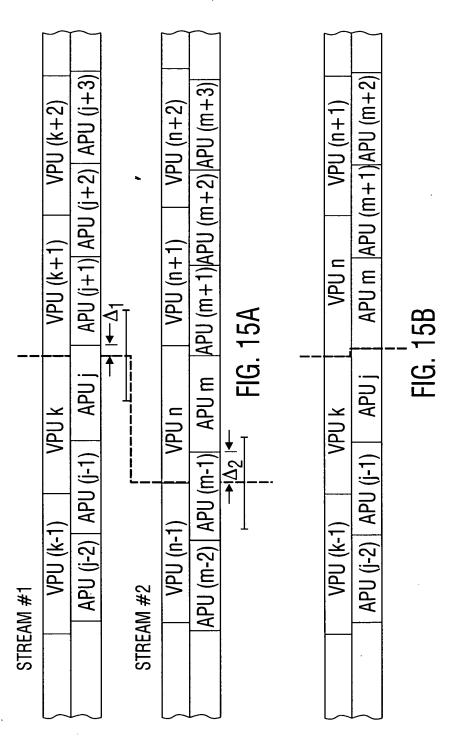


FIG. 13B

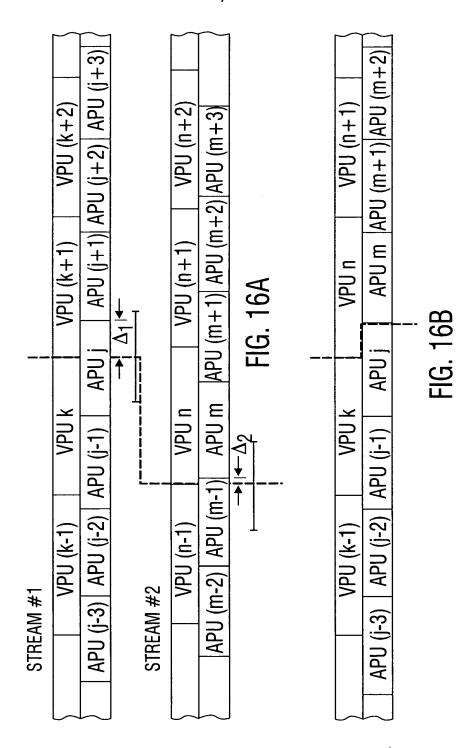
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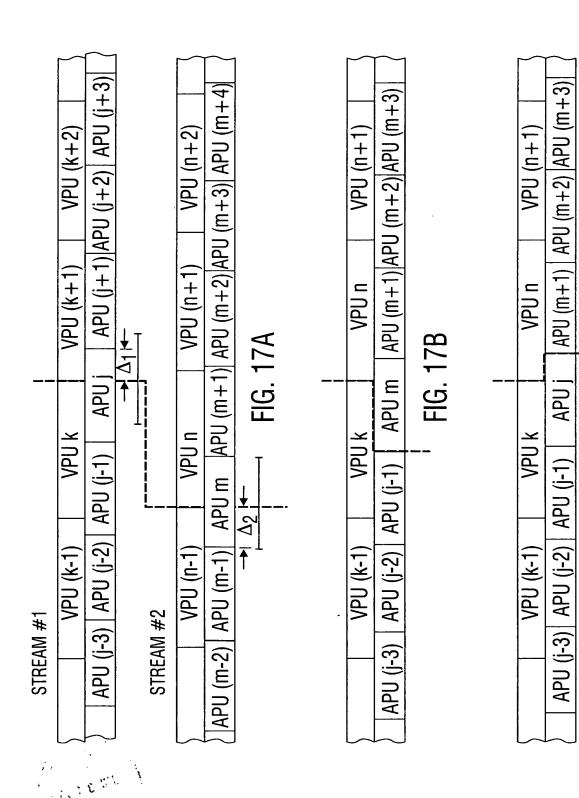


FIG. 17C

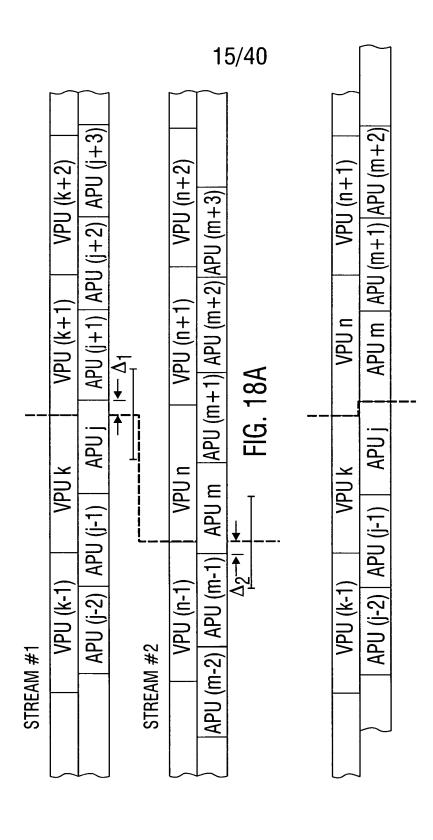
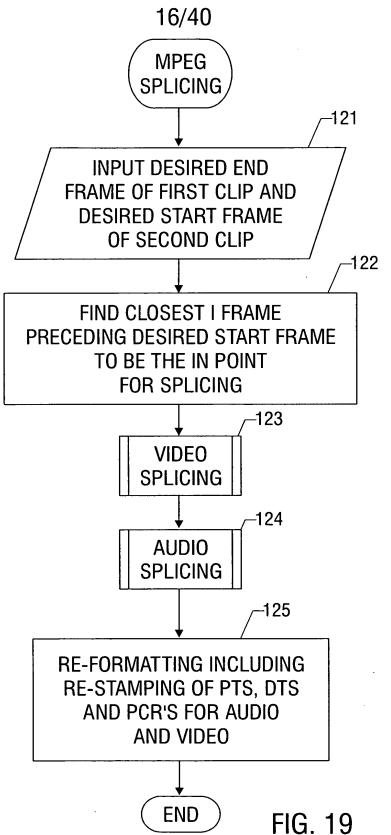
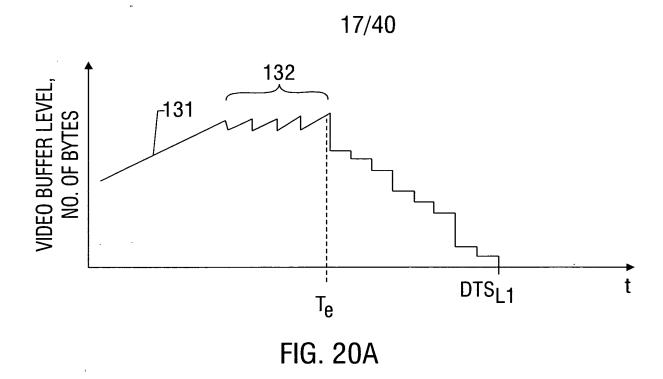
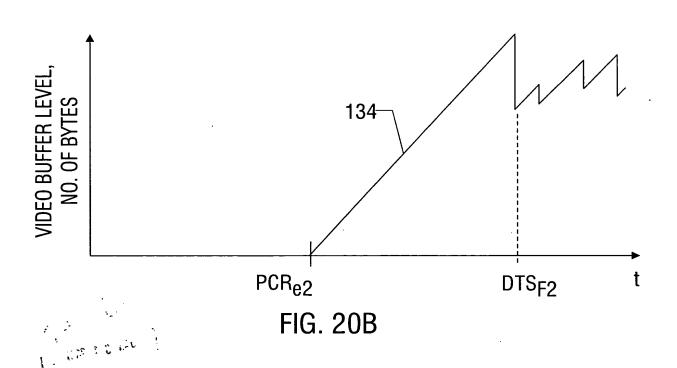
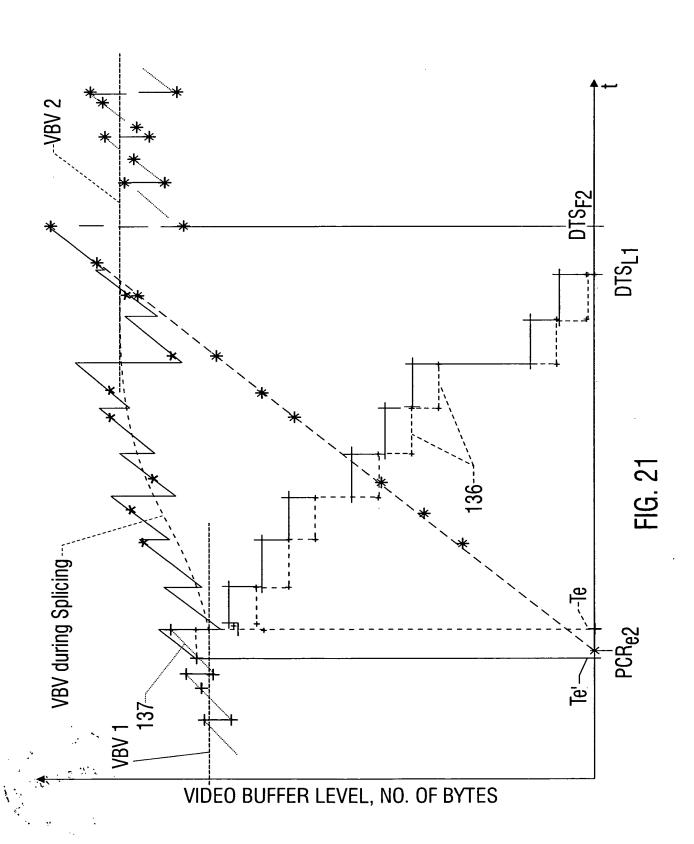


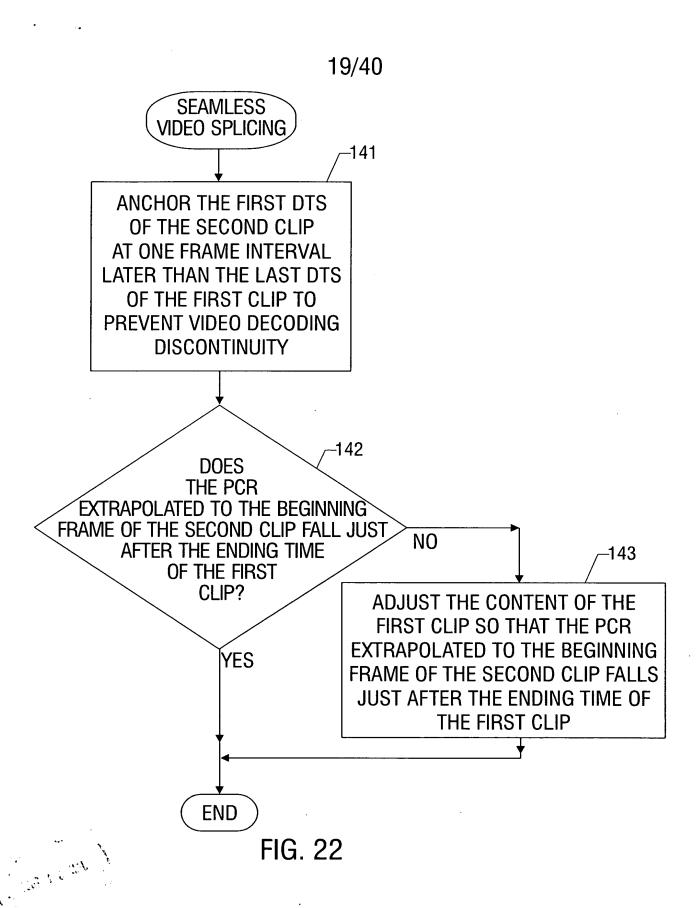
FIG. 18B

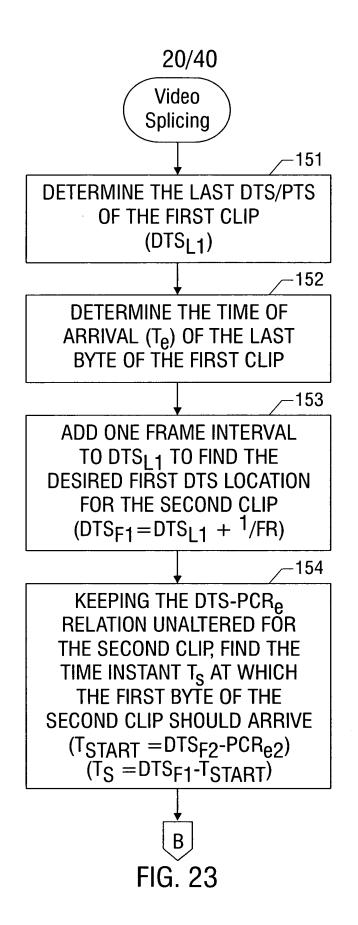


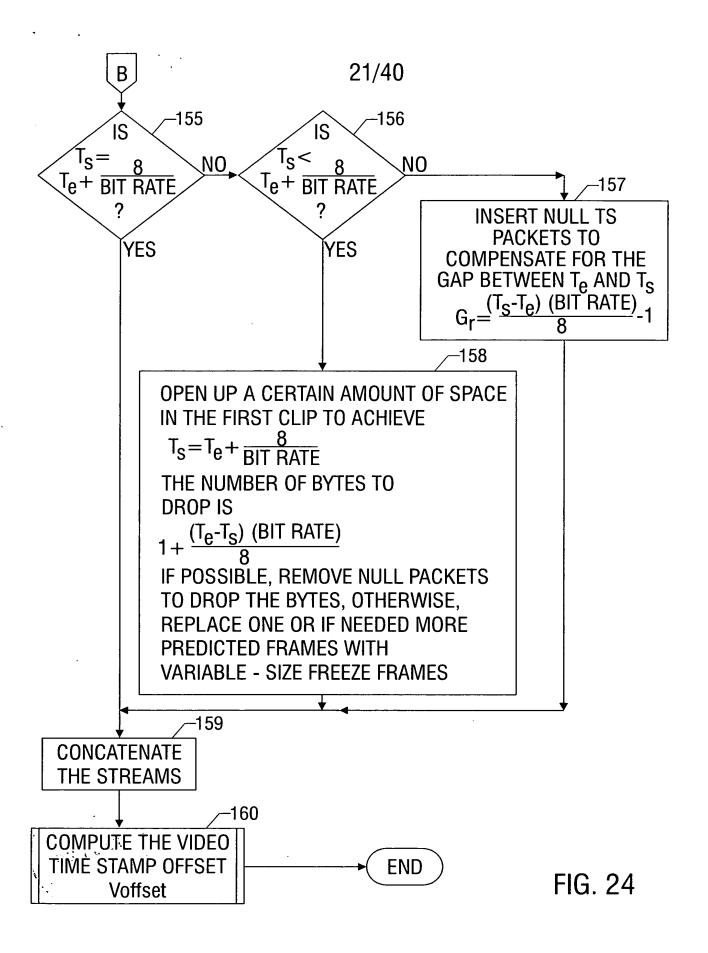


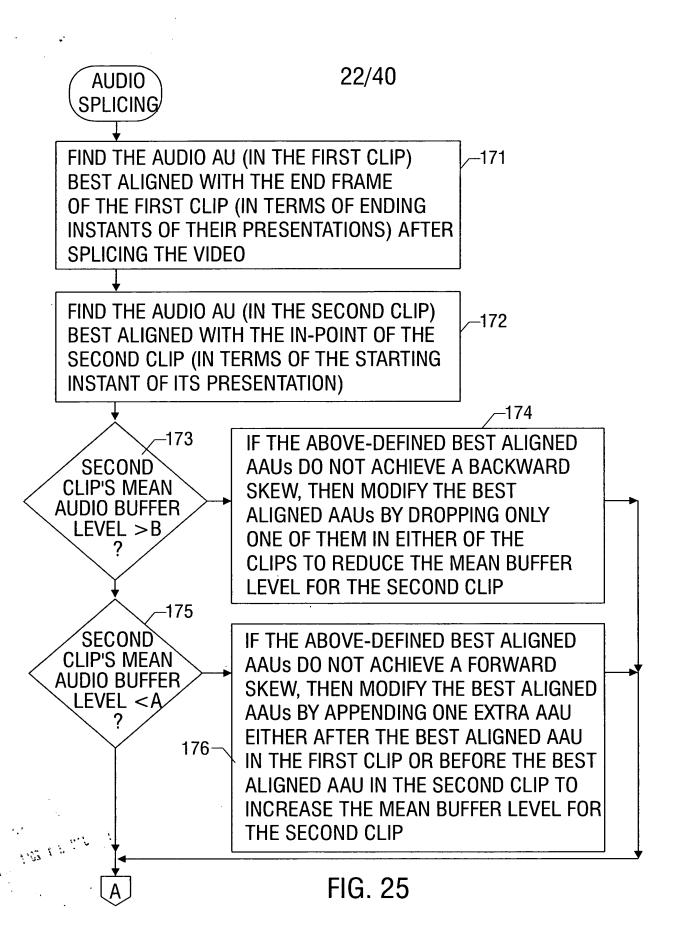














REMOVE ALL AUS OF AUDIO IN THE FIRST 177 CLIP AFTER THE BEST ALIGNED AAU IN THE FIRST CLIP. AND ADJUST THE LAST AUDIO PES PACKET HEADER IN THE FIRST CLIP TO REFLECT THE CHANGE IN ITS SIZE IN BYTES AFTER THE REMOVAL FIND THE AUDIO PES PACKET IN THE SECOND -178 CLIP WHICH INCLUDES THE BEST ALIGNED AAU IN THE SECOND CLIP, AND REMOVE ALL AAUS PRECEDING THE BEST ALIGNED ONE IN THIS **PES PACKET** PRODUCE A PES PACKET HEADER TO ENCAPSULATE -179 THE BEST ALIGNED AAU AND THE AAUS AFTER IT, AND WRITE THE PES PACKET SIZE INTO THE HEADER CALCULATE THE REQUIRED AUDIO PTS OFFSET -180 TO BE USED FOR RESTAMPING THE AUDIO OF THE SECOND CLIP **END** 

FIG. 26

## 24/40

CASE	SECOND CLIP HAS A HIGH MEAN AUDIO BUFFER LEVEL	SECOND CLIP HAS A LOW MEAN AUDIO BUFFER LEVEL
FIG. 11A	USE FIG. 28	USE FIG. 11B OR 11C
FIG. 12A	USE FIG. 12B	USE FIG. 29
FIG. 13A	USE FIG. 13B	USE FIG. 30
FIG. 14A	USE FIG. 31	USE FIG. 14B
FIG. 15A	USE FIG. 15B	USE FIG. 32
FIG. 16A	USE FIG. 33	USE FIG. 16B
FIG. 17A	USE FIG. 17B OR 17C	USE FIG. 34
FIG. 18A	USE FIG. 35	USE FIG. 18B

FIG. 27

VPU (k-1)	FIG. 28	\ \tag{APU (i-2) APU (i-1) APU j APU (i+1) APU m APU (m+1) \\ \tag{APU (i+1) APU m APU (m+1) }	FIG. 29	VPU (k-1)         VPU k         VPU n         VPU (n+1)         VPU (n+1)         VPU (n+1)         VPU (n+1)	FIG. 30	VPU (k-1)         VPU k         VPU n         VPU (n+1)         VPU (n+2)           APU (j-2)         APU (j-1)         APU (m+1)         APU (m+2)         APU (m+3)         APU (m+3)	FIG. 31
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Constant of

VPU (k-1)	FIG. 32	APU (j-3)   APU (j-2)   APU (j-1)   APU j   APU (m+1)   APU (m+3)   APU (m+3	FIG. 33	VPU (k-1)	FIG. 34	\text{VPU (k-1)} \text{VPU k} \text{VPU n} \text{VPU (m+1)} \text{APU (m+3)} \\ \text{APU (j-2)} \text{APU (j-1)} \text{APU j} \text{APU j} \text{APU (m+3)} \t	FIG. 35
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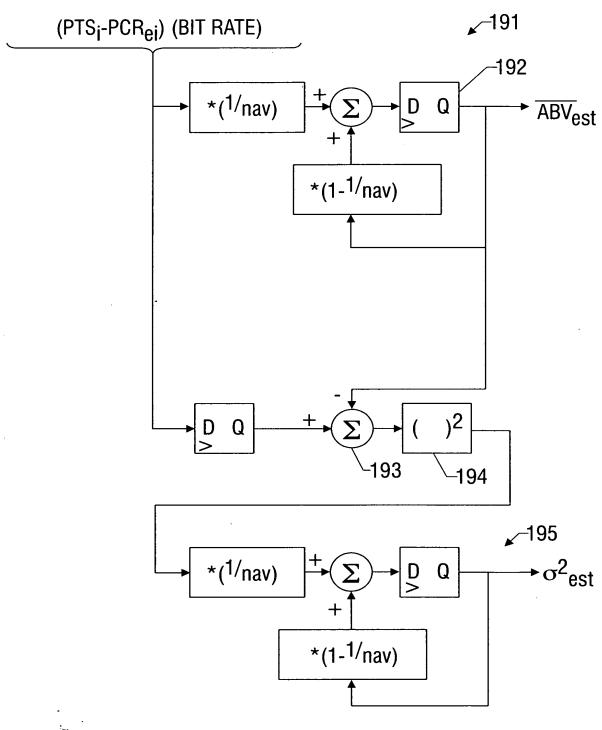


FIG. 36

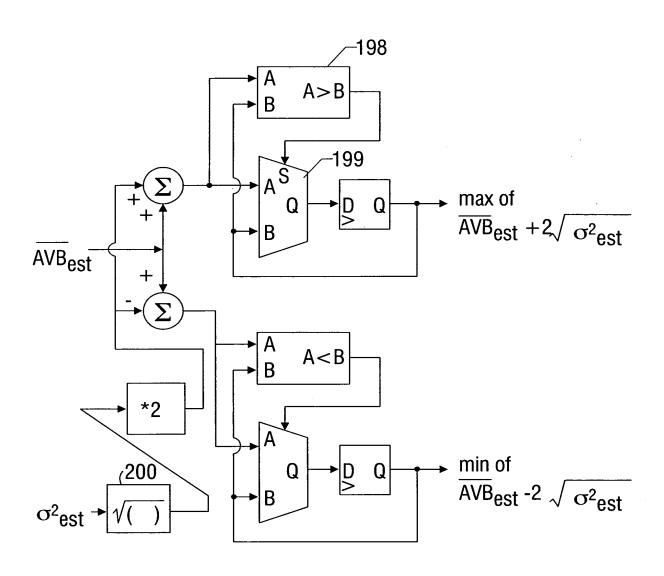


FIG. 37

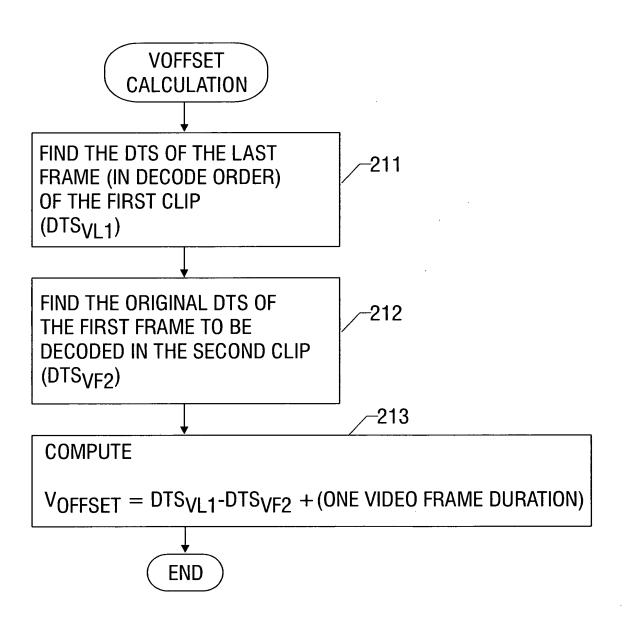


FIG. 38

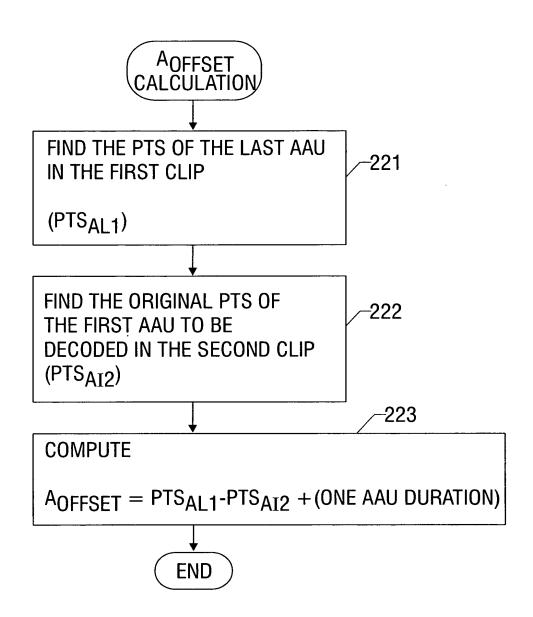


FIG. 39

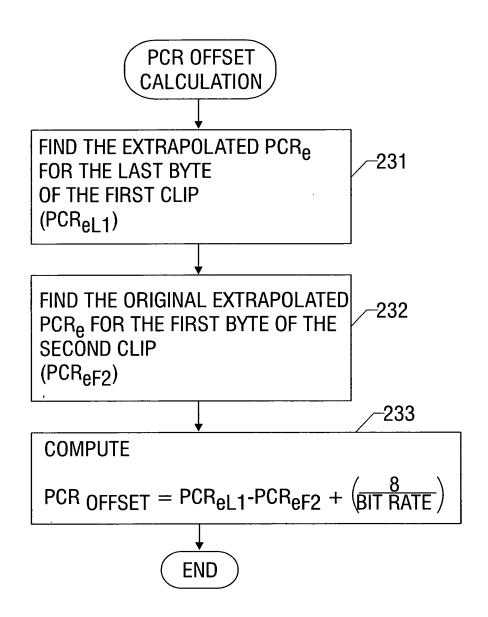
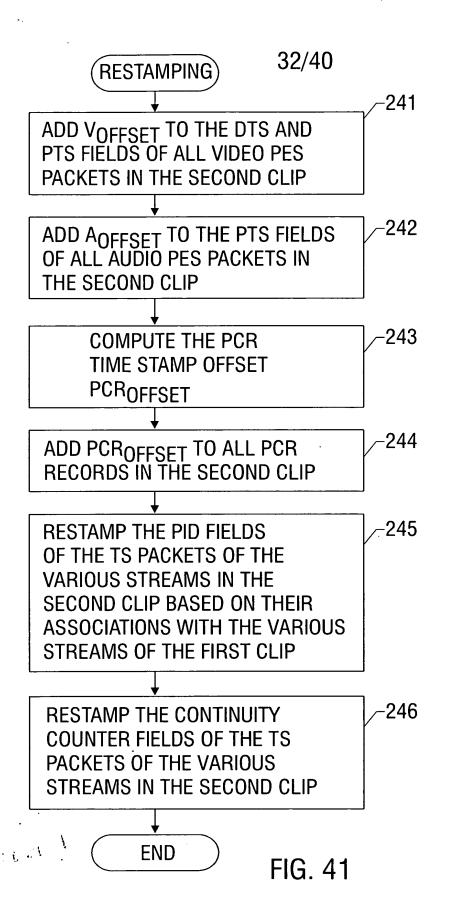
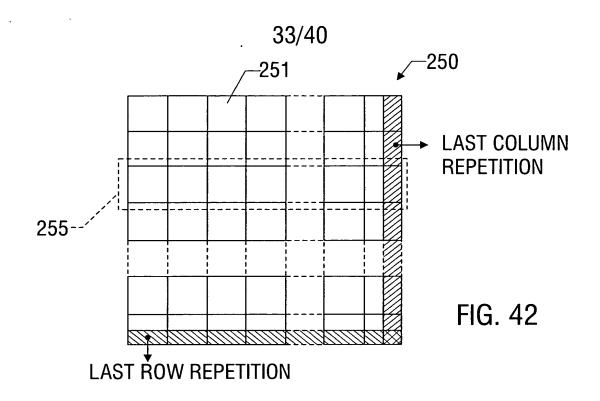
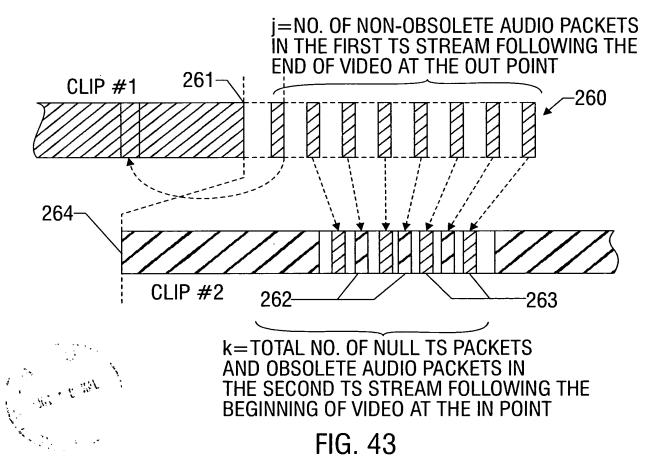


FIG. 40







271

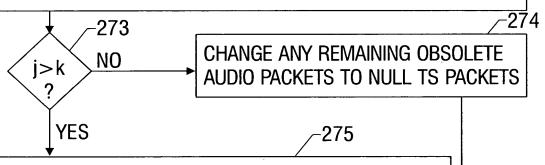
## **DETERMINE:**

j= NO. OF NON-OBSOLETE AUDIO PACKETS IN THE FIRST TS STREAM FOLLOWING THE END OF VIDEO AT THE OUT POINT.

k=TOTAL NUMBER OF NULL PACKETS AND OBSOLETE AUDIO PACKETS IN THE SECOND TS STREAM FOLLOWING THE BEGINNING OF VIDEO AT THE IN POINT.

-272

REPLACE ANY OF THE k NULL PACKETS OR OBSOLETE AUDIO PACKETS IN THE SECOND TS STREAM WITH CORRESPONDING ONES OF THE J NON-OBSOLETE AUDIO PACKETS IN THE FIRST TS STREAM, BEGINNING WITH THE MOST ADVANCED IN TIME PACKETS



FOR THE REMAINING (j-k) NON-OBSOLETE AUDIO PACKETS FROM THE FIRST STREAM, CREATE (j-k) \* 188 BYTES OF ADDITIONAL SPACE FOR THEM IN THE SPLICED TS STREAM PRIOR TO THE VIDEO FOR THE OUT POINT. (THIS ADDITIONAL SPACE MUST BE GENERATED SO AS TO MAINTAIN THE  $T_S = T_e + 8/(BIT\ RATE)$  CONDITION OF FIG. 24 FOR SEAMLESS VIDEO SPLICING.)

**END** 

FIG. 44

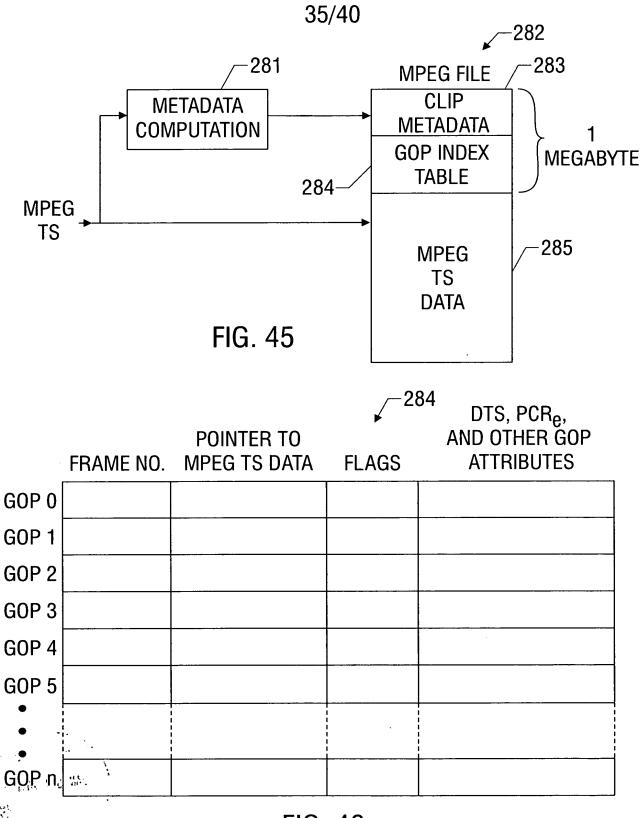


FIG. 46

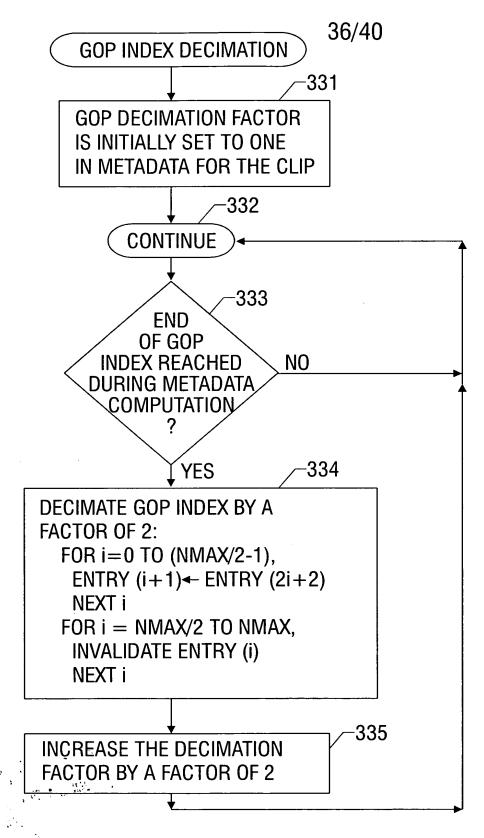


FIG. 47

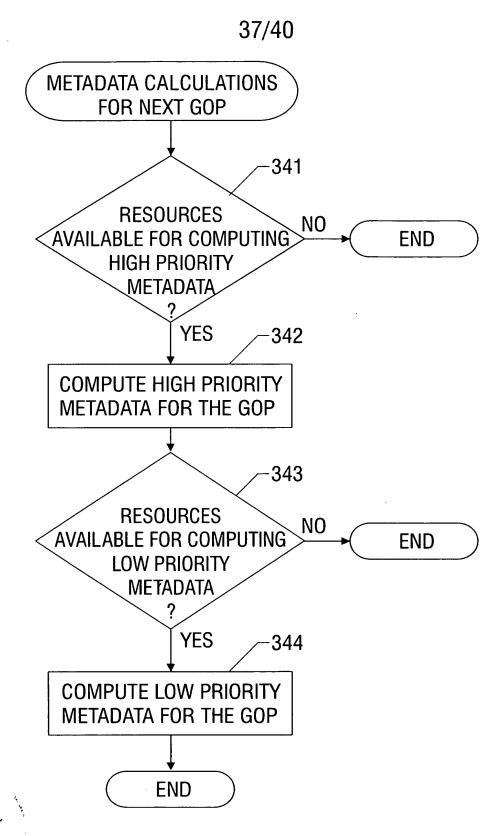
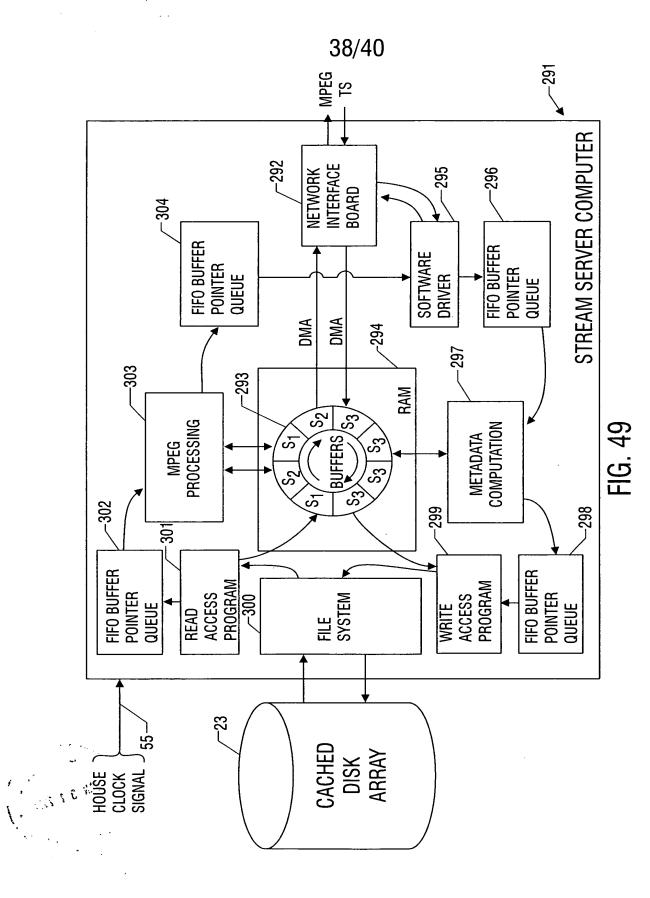
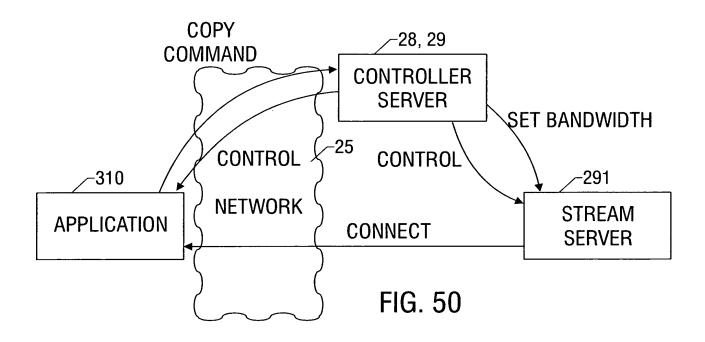
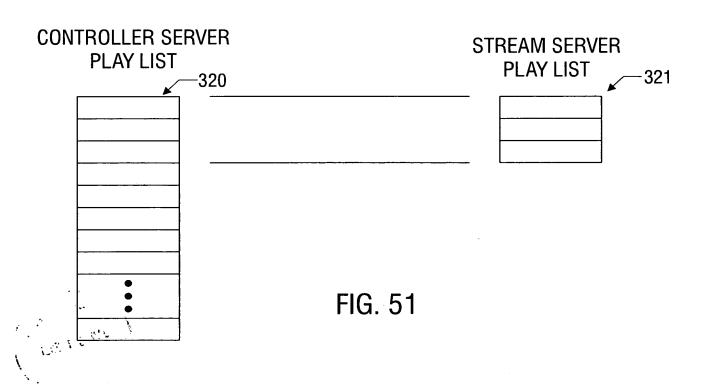


FIG. 48



39/40





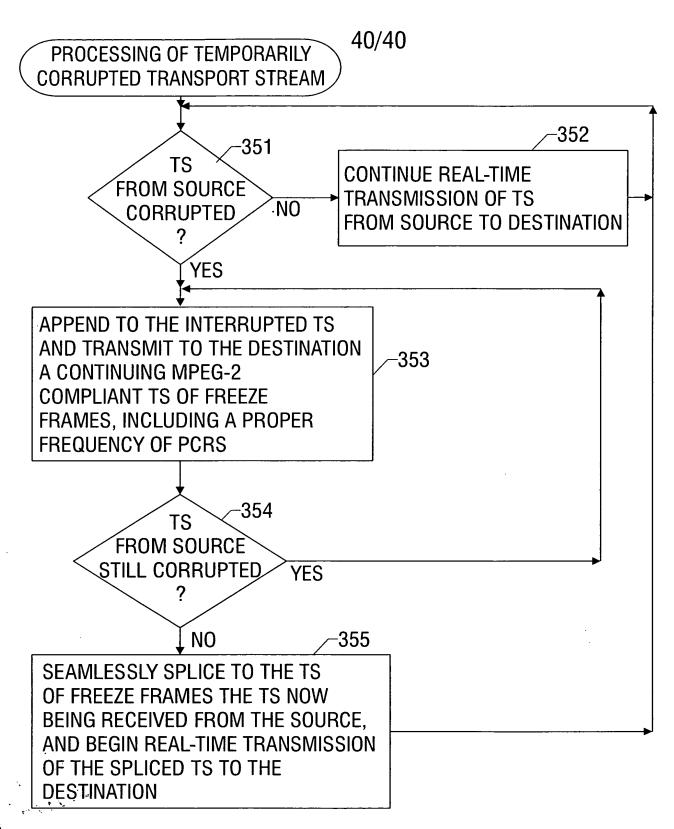


FIG. 52